INTERNATIONAL SEARCH REPORT

internation PCT/IB 03/04987

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IPO	7	HO4L	.12/	′ 56	MATTER

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ \ H04L \ \ H04Q$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO 01 99353 A (FORSSELL MIKA ; NOKIA CORP (FI); RAJALA JUSSI (FI)) 27 December 2001 (2001-12-27) claims 1,3,4,6,8,10,24; figures 2,3 abstract	1-7, 10-12
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A	US 2002/009999 A1 (LEE CHONG-WON ET AL) 24 January 2002 (2002-01-24) paragraph '0037! - paragraph '0046!	1-12
A	WO 02 33931 A (NOKIA CORP ;TOURUNEN ARI (FI); KALLIOKULJU JUHA (FI)) 25 April 2002 (2002-04-25) page 3, line 18 -page 4, line 15	1-12
		

Further documents are listed in the continuation of box C.	Petent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the ext which is not considered to be of particular relevance. E' earlier document but published on or after the international filing date. L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified). O' document referring to an oral disclosure, use, exhibition or other means. P' document published prior to the International filing date but later than the priority date claimed.	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken abne. *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents; combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
17 February 2004	15/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk	Authorized officer
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